ANT/HIL/01

HILL.

Prince Charles Mts

0012

Antarctica

1971.

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Sunday 12th Jan 71.

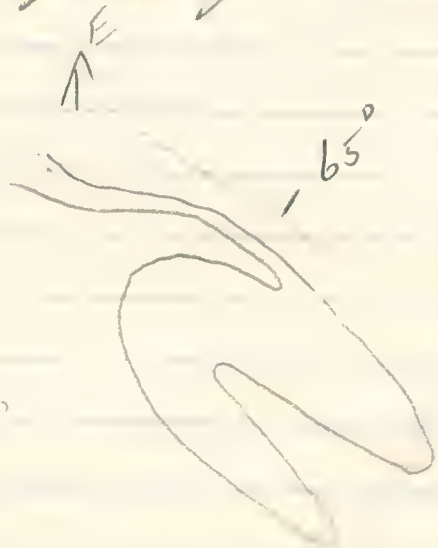
Bennett Escarpment

Stop 1.

g/z - fold gneiss with amphib bands. St. to "Chron massif" dp 65° E.

v. high peak nearby to E. same dip & structure.

KII | Slide of high peak to E complex folding



11

15

125 160

Mt Forecast

Tuesday 12th Jan 71.

Loc 1

med grained red-brown rock, green grained, like, qtz, feldsp. foliation st 110°; dip 70° S coarser grained qtz/feld "veins" parallel foliation, brown grained, some well developed crystals about ½" diam

The "Qtz feldsp Veins" are quite wide, up to 10'. and of variable grain size but coarser in general than the surrounding amphibolite rock, some foliation, sometimes folded in vert axes

Loc 2 st of foliation 130° 75° dip 80° S. like /qtz rock

To close 3 veins of qtz/feldsp

and some contorted pebbles like
like.
✓ Photo of folding in material
when light covers

Loc. 3 150 125
Attitude of foliation 70° fol. 85° SW.
Alternate light/dark bands
(depends on ~~[illegible]~~ compositional
content) f-m g.s. even
Spec. R.H.1 MF1 0201
fairly typical
vertical folds.
black band 11 foliation,
amphib, v. dec. could have
some biotite in it.
RH.2 MF2 0202

Loc 4
Bearing not Backbearing
82° Chain mean of 175°
mag X. 215°

the pale pink qtz felsp. rock
f-m grained, even grained

some coarse gneissed ~~rock~~ veins" parallel to foliation.

Spec of Rock. RH3. MF3.

Loc 5

Walk from 4 - 3 along same tracks as recorded also.

Rec: at 0°. op 70° E foliation.

small block exposed with bands parallel foliation.

At this point compass adjusted correct by (-53) instead of (+63°). 10° less reading subtracted 10° from North. All readings from this point are correct at 10° geographic S.

[illegible] dips at 37° dip
80°S.

[illegible] amphib. [illegible]
[illegible] [illegible]
[illegible] [illegible]

loc. 6
flat at 75°, dip vert
chaotic folds, trend to plunge
W. at about 30°.

rock is a banded gneiss
quite soft in a [illegible]
bands ½" – 1"

generally the same as elsewhere

Loc 7.

similar rock to that of loc 6. - tends to have higher density of qtz / feldspar [illegible] & a little coarser grained.

At 65°. app. dip 60° S

Loc 8

At 69.° (in loc 8 [illegible])

dip vert to 80° S.

some gneisses

complex qtz veins upto 2' thick

Wed 13th Jan 91

Loc 9.

more micaceous rocks

a rock of green & greenish grey

also present – about 10%

glay about 15%

red pebbles

foliation: evident in places.

pl. 45°, dip E. Vert.

Loc 10

similar type of gneiss, with

pink, grey, [illegible], and [illegible]

each foliation

strike appears 50°, dip [illegible]

prominent [illegible]

Loc 10 a

Same type of rock as a

little more [illegible], and

hornblende rock

also more abundant [illegible]

loc 10b

NE lip of [illegible] Fine-grained
[illegible] rocks, with [illegible]
& [illegible] grains & [illegible]
qtz / feld [illegible]
at 30° [illegible] veal [illegible]

Friday 15th - Brief Chopper landing.
MH Bravo Copper

At 100' [illegible] approx. 100'
[illegible] with quartz [illegible]
Spec [illegible]

Spec. MBC 1 0203
Airship MBC 2 0204
(grab samples.)

It appears fairly
[illegible].
Rounded on lips

Nundah near Mt Forest
Mole Hundred ago Si
basic gneiss with intermediate
to acid gneiss.
couldn't find but
this is here appears

Wed 16th Jan 10pm – 1am

[illegible]

Loc 1

[illegible] this loc all
very broken [illegible] made [illegible]
6 [illegible] [illegible] [illegible]
2' dia

Much of the material is
granite, [illegible] [illegible] [illegible]
At this loc 2 [illegible] below
one [illegible] is well [illegible]
granite (fig 205), well
folded

Nearby is fine grained
granite fig MM 2 206
No [illegible] [illegible]
[illegible]
[illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible]

207

208 209

Summit

210
209

210

110°
70° N.

212

1111 8 [illegible] mineral:
not known what it is
[illegible] for [illegible].

Sun 17th Jan (2.00pm) 1971

Met [illegible] weather
[illegible] 4

Have [illegible] [illegible] [illegible]
seen yesterday. against all
[illegible], most [illegible] by first
action, tend to be a
little more constant a
good [illegible]: for [illegible]
[illegible] a [illegible] point.
[illegible] [illegible] of the
main [illegible] on [illegible]
[illegible] felt [illegible] [illegible]
a [illegible] [illegible]
[illegible] at 85°; [illegible] 80° [illegible]
[illegible]

[illegible]

[illegible] 1 [illegible] 2 [illegible] &

[illegible] [illegible]

[illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [

Loc 10

[illegible]

[illegible] Crocket [illegible]

[illegible] vantage point [illegible]

end of [illegible] [illegible] of the

[illegible]

Space [illegible] 216

[illegible]

[illegible]

Loc [illegible]

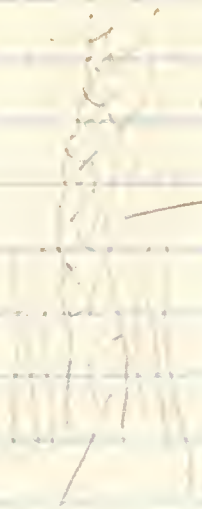
[illegible]

[illegible]

[illegible]

Sketch of typical [illegible]

in S W of area



[illegible]

[illegible]

Speco [illegible] - [illegible].

Sat 23rd Jan 70.
Chopper flights
A Mt Dowie

3 — 18 A
— 22 B
— 24 C
— 29. D Looks to be
v homogeneous beds.
seen very

Whole sequence more
homogeneous than that previously
seen.
Vertical to 5° dipping
foliation.
first few photos general
view of area & Aramac
Range.

[illegible]

[illegible]

wanders around north east

[illegible] and find

qtz. feld. gneiss,

& foliation [illegible] trend

55°, plunge [illegible]

qtz. feld. hot pegs.

intrude rocks, cut across the

[illegible] lot

black angular "xgs"

common [illegible] banding

Specs.

219 (1) Reaction Rims around Hnd in Granite

(2) Sphene in Granite 218

(3) Dist Gneiss Schist 7128 0217

(4) Unknown mineral [illegible]

Qtz Vein 220

[illegible]

Loc 3. [illegible]

Walk nearly

[illegible] off [illegible] [illegible]

Loc 1. [illegible]

35° [illegible] 50° [illegible]

[illegible]

Instrumental looking

[illegible] field grass white [illegible]

(v. weathered) on [illegible]

[illegible] and [illegible] off field

grass

Loc 2.

[illegible] 50-55° [illegible]

[illegible] [illegible]

[illegible] [illegible] as v. weathered.

In [illegible] [illegible]

[illegible] - [illegible] - [illegible]

[illegible]

[illegible] [illegible] [illegible]

[illegible] v. [illegible] [illegible]

[illegible]. [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible]

[illegible]

[illegible]

(? [illegible] ?)

[illegible]

[illegible]

SPECS

71280 2206

(a) [illegible]

[illegible]

Wave Field [illegible]

(b) [illegible]

amphib.

Spec 71280221

(i) Spec of landed (B/W)
species of/and Bat Fauna
(ii) Spec of genet landing
species — gut pty / [illegible]
(iii) Dig Sol Gut Species

7128023-221
7128023
7128023-24

71280236

7128/0227

7128/0228

7128/0229

7128/0230

[illegible] 428500

2025500

Lec 2 425500

2021000

0232

712b
0231

[illegible]

[illegible] the [illegible]
of [illegible] [illegible]
[illegible]
[illegible]
and [illegible], [illegible]

Get out the [illegible]
the field in

[illegible]

[illegible] - [illegible]
form a [illegible]

233

234 - Near Mr. Sterling

[illegible]

[illegible] 235

[illegible]

[illegible]

[illegible] 236

237

238

Sun 7th Feb.

Quick Chopper Stop on end

Course

folded con at 60 dip vert to 70° NW

qtz fold got wet, bounded

some rocks in gouge surface

such as dike. rock v homogen

cons for these type rocks.

No ayne taken. ✓

Fisher Massif.

Dated in granite, also

amphib xenoliths.

Spur of Wyatt Earp

235

Area A

Stop 1.

N side west lgs of Fisher massif

Stop 2.

NW edge of Fisher massif

Among Basalt in contact c

granite. Plate of amphibole

would be interesting

Fig. [illegible] is [illegible]
Spec of
(a) [illegible] Spec B 240
(b) Cu staining - all malachite
staining, some [illegible]
[illegible] Spec C 241

Fig 3
[illegible] is copper [illegible]
V. f.g. - [illegible] [illegible]
Some fg [illegible] in places.
? possibly [illegible] [illegible]
between 2 & 3 same [illegible]?
Spec of
(a) f.g. amphib. 0242 Spec D
(b) Cu staining Spec E 0243

[illegible] dykes [illegible] length of and
[illegible]
not the [illegible]
and [illegible]

and [illegible]

Dark c.g. granite - [illegible]
[illegible] (no [illegible]).

Pelean [illegible]
at 80° or [illegible]
[illegible] (2 specs)
intruded by v. coarse pegmatite
[illegible] and field mark. -
mainly field.
~~[illegible]~~ hardly finely -
a little gneissic
some evidence of [illegible]
folding

[illegible] contains fabric. [illegible]
granodiorite [illegible]
[illegible] in [illegible]
[illegible] and edge [illegible]
not [illegible] [illegible]
not [illegible]

SPEC No 1	0244
SPEC No 2	0245

not [illegible]

SW [illegible]

granite - granodiorite [illegible]
[illegible] [illegible]

0246 Granite
0247 Amphib

Tuesday 9th Feb 71.

Dgmd. read.

DO NOT [illegible]
[illegible]
[illegible] DOUBLE
[illegible]

I [illegible]
[illegible]
Map
Cold [illegible]
Belt + Knife

GEOLOGY.

B